

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A computer-implemented method for remotely monitoring and dynamically changing the operation of a computer game executing on a first computer while the computer game is executing, the computer game comprising computer code, the method comprising the steps of:

establishing a network connection between the first computer and a remote second computer;

~~at the second computer, monitoring, at the second computer, the operation of~~ the computer game executing on the first computer while the computer game is executing;

~~from the second computer, issuing a command from the second computer to~~ modify the computer code of the computer game while the computer game is executing;

modifying the computer code of the computer game at the first computer ~~while~~ the computer game is executing; and

~~at the first computer, continuing to execute the computer game at the first computer in accordance with the modified computer code without ceasing execution of the computer game.~~

2. (Original) The method of claim 1 wherein the step of issuing a command to modify the computer code of the computer game while the computer game is

executing comprises issuing a command to temporarily modify the computer code of the computer game while the computer game is executing.

3. (Original) The method of claim 1 wherein the step of issuing a command to modify the computer code of the computer game while the computer game is executing comprises issuing a command to permanently modify the computer code of the computer game while the computer game is executing.

4. (Currently Amended) The method of claim 1 further comprising the steps of: operating the computer game prior to establishing the network connection between the first computer and the remote second computer;

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storing, at the first computer, data relating to the operation of the computer game;

~~after the network connection is established~~, uploading the data to the second computer after the network connection is established; and

analysing the data at the second computer to assist in determining how to modify the computer code of the computer game.

5. (Currently Amended) The method of claim 1 further comprising the steps of:

maintaining a server routing list at the first computer;

~~at the first computer, querying, at the first computer, the computer game to determine a list of available data;~~

sending the list of available data from the first computer to the second

computer;

determining, at the second computer, a sub-set of the available data from the list of available data;

sending the sub-set of the available data from the second computer to the first computer;

at the first computer, collecting, at the first computer, data in accordance with the -a sub-set of the available data from the computer game; and

providing the data collected in accordance with the sub-set of available data to the second computer.

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6. (Original) The method of claim 1 wherein the step of issuing a command to modify the computer code of the computer game while the computer game is executing further comprises adjusting a resource value of the computer game.

7. (Original) The method of claim 1 wherein the step of issuing a command to modify the computer code of the computer game while the computer game is executing further comprises adjusting the amount of memory allocated to the computer game.

8. (Original) The method of claim 1 wherein the step of issuing a command to modify the computer code of the computer game while the computer game is executing further comprises adjusting the amount of memory allocated to part of the computer game.

9. (Original) The method of claim 1 wherein the step of issuing a command to modify the computer code of the computer game while the computer game is executing further comprises changing an artificial intelligence module in the computer game.

10. (Original) The method of claim 1 further comprising the step of monitoring the operation of the computer game at the second computer after the modification has taken effect.

11. (Currently Amended) A computer-implemented method for remotely monitoring and dynamically changing the operation of an application program executing on a first computer while the application program is executing, the application program comprising computer code, the method comprising the steps of: establishing a network connection between the first computer and a remote second computer;

~~at the second computer;~~ monitoring, at the second computer, the operation of the application program executing on the first computer while the application program is executing;

~~from the second computer;~~ issuing a command from the second computer to modify the computer code of the application program while the application program is executing;

modifying the computer code of the application program at the first computer

while the application program is executing; and

at the first computer, continuing to execute the application at the first computer in accordance with the modified computer code without having to shut down the application program.

12. (Original) The method of claim 11 wherein the step of issuing a command to modify the application program while executing comprises issuing a command to temporarily modify the computer code of the application while the application program is executing.

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13. (Original) The method of claim 11 wherein the step of issuing a command to modify the computer code of the application program while the application program is executing comprises issuing a command to permanently modify the computer code of the application program while the application program is executing.

14. (Currently Amended) The method of claim 11 further comprising the steps of:

operating the application program prior to establishing the network connection between the first computer and the remote second computer;

storing, at the first computer, data relating to the operation of the application program;

~~after the network connection is established,~~ uploading the data to the second computer ~~after the network connection is established;~~ and

analysing the data at the second computer to assist in determining how to

modify the computer code of the application program.

15. (Currently Amended) The method of claim 11 further comprising the steps of:
maintaining a server routing list at the first computer;
~~at the first computer,~~ querying the application program to determine a list of
available data;
~~at the first computer,~~ collecting a sub-set of the available data from the
application program at the first computer; and
providing the sub-set of available data to the second computer.

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16. (Original) The method of claim 11 wherein the step of issuing a command to
modify the computer code of the application program while the application program is
executing further comprises adjusting the amount of memory allocated to part of the
application program.

17. (Original) The method of claim 11 further comprising the step of monitoring the
operation of the application program at the second computer after the modification has
taken effect.

18. (Currently Amended) A computer-implemented system for remotely
monitoring and dynamically changing the operation of an application program while
the application program is executing, the application program comprising computer
code, the system comprising:

a first computer executing the application program;

a second computer executing a monitoring program;

a network connection between the first computer and the second computer;

computer program means, located at the second computer, for monitoring the operation of the application program executing on the first computer while the application program is executing;

computer program means, located at the second computer, for issuing a command to modify the computer code of the application program while the application program is executing;

computer program means at the first computer for modifying the computer code of the application program while the application program is executing; and

computer program means, at the first computer, for continuing to execute the application in accordance with the modified computer code.

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19. (Original) The system of claim 18 further comprising:

a routing list, located at the first computer; and

collector means, located at the first computer.

20. (Original) A computer-implemented system for remotely monitoring and dynamically changing the operation of an application program while the application program is executing, the application program comprising computer code, the system comprising:

a first computer executing the application program;

a second computer executing a monitoring program;

a network connection between the first computer and the second computer;

a plurality of collectors, located at the first computer, each collector querying the application program to determine available data and obtaining available data from the application program;

a server program, located at the first computer, for providing data to a remote program;

a routing list, located at the first computer, for providing routing information to an appropriate client;

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a plurality of consoles, located at the second computer, to provide an interface to allow a remote user to specify commands to observe and change the operation of part of the application program; and

a second routing list, located at the second computer, to route data provided by server program to a select one of the consoles.

21. (Currently Amended) A set of instructions residing in a storage medium, said set of instructions capable of being executed by a processor to implement a method for remotely monitoring and dynamically changing the operation of an application program executing on a first computer, the method comprising the steps of:

establishing a network connection between the first computer and a remote second computer;

~~at the second computer, monitoring from the second computer~~ the operation of the application program executing on the first computer while the application program

is executing;

~~from the second computer~~, issuing a command from the second computer to modify the computer code of the application program while the application program is executing;

A1 modifying the computer code of the application program at the first computer without having to shut down the application program; and
at the first computer, continuing to execute the application at the first computer in accordance with the modified computer code.
